

I Claim:

1. A noise and vibration mitigating mat having a top bottom surfaces comprising:
 - a first layer formed of recycled bound rubber products; the first layer having a contoured bottom surface and a flat top surface;
 - 5 a second layer adjacent the first layer, the second layer being formed of a fabric; and,
 - a third layer being positioned adjacent the second layer and being formed of a recycled rubber product.
- 10 2. The noise and vibration mitigating mat of claim 1 wherein the contoured bottom surface has variations in thickness.
- 15 3. The noise and vibration mitigating mat of claim 2 wherein the mat is manufactured in a continuous sheet.
4. The noise and vibration mitigating mat of claim 3 wherein the first and third layers are cut from large cylindrical members each formed of Styrenebutadiene Rubber (SBR) and natural rubber mixed with a polyurethane to form a plurality of voids therein.
- 20 5. The noise and vibration mitigating mat of claim 4 wherein the first layer is further processed by a profiling machine which cuts the contour into the bottom surface.

6. The noise and vibration mitigating mat of claim 5 wherein the density of the third layer is greater than the density of the first layer.